

Adapting codes to IMAS framework

PSNC ACH (ACH-04)

Training sessions - 20.09.2021 and 22.09.2021

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# PSNC ACH (ACH-04) - Integrated Modelling and Control

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The Core Software Integration Advanced Computing Hub (CSI ACH) -  
- focused on six, well defined goals

- IMAS ecosystem development
- Support for developers in terms of code adaptation to IMAS
- Integration of codes within IMAS based workflows
- Management of the repository for the community developed research software
- Production support of the integrated modeling tools
- User support and training

# PSNC ACH (ACH-04) - Cooperation with TSVVs

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## Different aspects of the cooperation

- Discussing problems/issues/activities
  - Video conference systems (GotoMeeting - WebEx - Zoom)
  - Slack
- Tracking issues
  - GForge (will be mentioned at the end of the training)
  - JIRA (will be mentioned at the end of the training)
  - Trello (we already share Trello boards with some of TSVVs)
- Help people during the process of code adaptation (e.g. explaining IMAS related topics)
  - Trainings - like this one
  - Tutorial pages: <https://docs.psnc.pl/display/WFMS/ACH>
  - Demo movies (recorded training sessions)
- Mailing list
  - [ach-psnc@lists.man.poznan.pl](mailto:ach-psnc@lists.man.poznan.pl) - every ACH member gets the copy

# Purpose of this training session

During this session we want to make sure people get familiar with IMAS related concepts

## Day 1

- Introduction to IMAS - F. Imbeaux
- Examples of codes that were adapted into IMAS - M. Schneider, P. Strand
- IMAS Access Layer - B. Palak
- Accessing data from CLI - B. Palak
- High Level Interfaces and their API - L. Fleury

# Purpose of this training session

We want you to get familiar with tools based on IMAS and how to start code adaptation

## Day 2

- Motivations and different levels of adaptation - B. Palak
- Code adaptation - D. Yadykin
- Wrapping codes using iWrap - B. Palak
- Dealing with experimental data - M. Poradzinski
- Adapting codes to IMAS based Docker containers - T. Zok
- Closing notes - M. Owsiak





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## Questions?

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### **PSNC ACH (ACH-04) page:**

<https://wiki.euro-fusion.org/wiki/ACH-04>

### **training materials:**

<https://docs.psnc.pl/display/WFMS/Tutorial+-+adapting+codes+to+IMAS>

### **mailing list:**

[ach-psnc@lists.man.poznan.pl](mailto:ach-psnc@lists.man.poznan.pl)